
PLAN PREPARATION

1.1 PURPOSE

The California Water Code requires urban water suppliers within the state to prepare and adopt Urban Water Management Plans (UWMPs) for submission to the California Department of Water Resources (DWR). The UWMPs, which must be filed every five years, must satisfy the requirements of the Urban Water Management Planning Act (UWMPA) of 1983 including amendments that have been made to the Act and other applicable regulations. The UWMPA requires urban water suppliers servicing 3,000 or more connections, or supplying more than 3,000 acre-feet (AF) of water annually, to prepare an UWMP.

The purpose of the UWMP is to maintain efficient use of urban water supplies, continue to promote conservation programs and policies, ensure that sufficient water supplies are available for future beneficial use, and provide a mechanism for response during water drought conditions. This report, which was prepared in compliance with the California Water Code, and as set forth in the 2010 guidelines and format established by the DWR, constitutes the City of Hanford (City) 2010 UWMP.

The City did not participate in an area, regional, watershed, or basin wide UWMP.

1.2 BACKGROUND

1.2.1 Urban Water Management Planning Act

In 1983, State Assembly Bill (AB) 797 modified the California Water Code Division 6, by creating the UWMPA. Several amendments to the original UWMPA, which were introduced since 1983, have increased the data requirements and planning elements to be included in the 2005 and 2010 UWMPs.

Initial amendments to the UWMPA required that total projected water use be compared to water supply sources over the next 20 years, in 5-year increments. Recent DWR guidelines also suggest projecting through a 25-year planning horizon to maintain a 20-year timeframe until the next UWMP update has been completed.

Other amendments require that UWMPs include provisions for recycled water use, demand management measures, and a water shortage contingency plan. The UWMPA requires inclusion of a water shortage contingency plan, which meets the specifications, set forth therein. Recycled water was added in the reporting requirements for water usage and figures prominently in the requirements for evaluation of alternative water supplies, when future projections predict the need for additional water supplies. Each urban water purveyor must coordinate the preparation of the water shortage contingency plan with other urban

water purveyors in the area, to the extent practicable. Each water supplier must also describe their water demand management measures that are being implemented, or scheduled for implementation.

In addition to the UWMPA and its amendments, there are several other regulations that are related to the content of the UWMP. In summary, the key relevant regulations are:

- **AB 1420:** Requires implementation of demand management measures (DMMs)/best management practices (BMPs) and meeting the 20x2020 targets to qualify for water management grants or loans.
- **AB 1465:** Requires water suppliers to describe opportunities related to recycled water use and stormwater recapture to offset potable water use.
- **Amendments Senate Bill (SB) 610 (Costa, 2001), and AB 901 (Daucher, 2001):** Effective beginning January 1, 2002, require counties and cities to consider information relating to the availability of water to supply new large developments by mandating the preparation of further water supply planning (Daucher) and Water Supply Assessments (Costa).
- **SB 1087:** Requires water suppliers to report single-family residential (SFR) and multi-family residential (MFR) projected water use for lower income areas separately.
- **Amendment SB 318 (Alpert, 2004):** Requires the UWMP to describe the opportunities for development of desalinated water, including but not limited to, ocean water, brackish water, and groundwater, as long-term supply.
- **AB 105 (Wiggins, 2004):** Requires urban water suppliers to submit their UWMPs to the California State Library.
- **SBx7-7:** Requires development and use of new methodologies for reporting population growth estimates, base per capita use, and water conservation. This water bill also extended the 2010 UWMP submittal deadline for retail agencies to July 1, 2011. DWR is still finalizing two of the four new methodologies that an agency can choose from to establish their intermediate (2015) and year 2020 water conservation targets.
- **SB 1478:** This bill was signed on September 23rd and extends the 2010 UWMP deadline for wholesale agencies to July 1, 2011, as SBx7-7 did for retail agencies.

1.2.2 Previous Urban Water Management Plans

Pursuant to the UWMPA, the City previously prepared an UWMP in 2005, which was approved and adopted on April 18, 2006. Following adoption, the 2005 UWMP was submitted to and deemed complete by the DWR. The City also prepared UWMPs in 1995 and 2000. This 2010 UWMP report serves as an update to the 2005 UWMP and pulls substantially from that document.

1.3 COORDINATION

The UWMPA requires that the UWMP identify the water agency's coordination with appropriate nearby agencies.

Law

10620 (d) (2). Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.

10621 (b). Every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days prior to the public hearing on the plan required by Section 10642, notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. The urban water supplier may consult with, and obtain comments from, any city or county that receives notice pursuant to this subdivision.

10635 (b). The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan.

10642. Each urban water supplier shall encourage the active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.

10642. Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection and shall hold a public hearing thereon. Prior to the hearing, notice of the time and place of hearing shall be published within the jurisdiction of the publicly owned water supplier pursuant to Section 6066 of the Government Code. The urban water supplier shall provide notice of the time and place of hearing to any city or county within which the supplier provides water supplies. A privately owned water supplier shall provide an equivalent notice within its service area.

The City's 2010 UWMP is intended to address those aspects of the Act, which are under the control of the City, specifically water supply and water use. While preparing the 2010 UWMP, the City coordinated its efforts with relevant agencies to ensure that the data and issues are presented accurately.

DWR was contacted to discuss the requirements of the UWMPA and obtain electronic workbooks, checklists, and other developed guidelines to prepare this report.

Kings County Water District (KCWD), which was formed in 1954 under the County Water Act to provide a legal entity for water management in the northeast portion of Kings County, was also notified and provided access to the Public Review Document of the City's 2010 UWMP.

Table 1.1 summarizes how the UWMP preparation was coordinated. Appendix A contains copies of outreach documents.

Table 1.1 Coordination with Appropriate Agencies (Guidebook Table 1) 2010 Urban Water Management Plan City of Hanford							
Coordinating Agencies	Participated in Developing the Plan	Commented on the Draft	Attended Public Meetings	Was Contacted for Assistance	Was Sent a Copy of the Draft Plan	Was Sent a Notice of Intention to Adopt	Not Involved / No Information
Kings County Water District					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Kings County					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
General Public			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Department of Water Resources				<input checked="" type="checkbox"/>			
Note: (1) "Guidebook Table X" refers to a specific table in the "Guidebook to Assist Urban Water Suppliers to Prepare a 2010 Urban Water Management Plan" by DWR.							

The City also provided formal written notification to Kings County that the City's UWMP was being updated for 2010. In accordance with the UWMPA, this notification was provided to Kings County and the KCWD at least 60 days prior to the public hearing of the plan. Copies of the final UWMP will be provided to Kings County no later than 30 days after its submission to DWR.

The City is committed to encourage the active involvement of diverse social, cultural, and economic elements of its citizenry. On June 4 and June 11, 2011, the City placed a notice in the local newspaper stating that its UWMP was being updated and that a public hearing would be conducted to address comments and concerns from members of the community. The notice stated that a public review period would be scheduled from June 4 through June 21, 2011. A copy of this notification is included in Appendix B. The Draft 2010 UWMP was made available for public inspection at the City of Hanford Public Works Corporation Yard, located at 900 South 10th Avenue. In addition, the City also posted a copy of the public review draft UWMP on its website (www.ci.hanford.ca.us).

On June 7, 2011, The City provided an informational presentation regarding the 2010 UWMP during the City's regularly Scheduled City Council Meeting.

The City held a public hearing on June 21, 2011 in the City Council Chambers, located at 400 North Douty Street. The hearing provided an opportunity for the City's customers, residents, and employees to learn and ask questions about the current and future water supply of the City.

1.4 PLAN ADOPTION, SUBMITTAL, AND IMPLEMENTATION

Pursuant to the requirements of the UWMPA, this section summarizes the adoption, submittal, and implementation of the City's 2010 UWMP.

Law

10621 (c). The amendments to, or changes in, the plan shall be adopted and filed in the manner set forth in Article 3 (commencing with Section 10640)

10642. After the hearing, the plan shall be adopted as prepared or as modified after the hearing.

10643. An urban water supplier shall implement its plan adopted pursuant to this chapter in accordance with the schedule set forth in its plan.

10644 (a). An urban water supplier shall submit to the department, the California State Library, and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption. Copies of amendments or changes to the plans shall be submitted to the department, the California State Library, and any city or county within which the supplier provides water supplies within 30 days after adoption.

10645. Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

1.4.1 Plan Adoption

The City prepared the 2010 UWMP during the spring and summer of 2011. The plan was updated after the public hearing and adopted by its City Council on, June 21, 2011. A copy of the adopting resolution is provided in Appendix C.

1.4.2 Plan Submittal

The City submitted the UWMP to the DWR on July 8, 2011. Within 30 days of submitting the UWMP to the DWR, the adopted UWMP was made available for public review during normal business hours at the locations specified for the viewing of the Draft 2010 UWMP, submitted to the California State Library, and submitted to Kings County and the KCWD. Appendix D provides verification that the adopted UWMP was submitted to the agencies listed above within the required timeline.

If major changes are made to this 2010 UWMP, the City will hold an additional public hearing and City Council will readopt the plan.

1.4.3 Plan Implementation

As part of this UWMP, the City intends to implement on-going/future action items. Timelines for the anticipated implementation schedule of specific activities/programs are presented in the body of the report as the activities/programs are discussed.

1.5 REPORT ORGANIZATION

This report is organized according to the recommended format provided in the DWR's Guidebook to Assist Urban Water Suppliers to Prepare a 2010 Urban Water Management Plan (Guidebook). The UWMP contains seven chapters, followed by appendices that provide supporting documentation for the information presented in the report. The chapters are outlined below:

- Chapter 1 – Plan Preparation
- Chapter 2 – System Description
- Chapter 3 – System Demands
- Chapter 4 – System Supplies
- Chapter 5 – Water Supply Reliability and Water Shortage Contingency Planning
- Chapter 6 – Demand Management Measures
- Chapter 7 – Completed Urban Water Management Plan Checklist

Additionally, the chapters are preceded by a UWMP Contact Sheet.

1.6 CLIMATE CHANGE

DWR guidelines suggest that urban water suppliers consider the potential effects related to climate change in their 2010 UWMPs. However, there are currently no specific climate change requirements in the UWMPA or in the Water Conservation Bill of 2009. Therefore, it is left to each supplier's discretion as to whether or not to account for the potential effects of climate change in their 2010 UWMP.

For the purposes of this 2010 UWMP, the City has opted not to include information or analysis related to climate change. If there are specific requirements for addressing climate change in UWMPs in the future, the City will incorporate these in their 2015 UWMP.

1.7 ABBREVIATIONS

To conserve space and improve readability, this report includes many abbreviations. The abbreviations are spelled out in the text the first time they are used and are subsequently identified by abbreviation only. A summary of the abbreviations used in this report is provided in the report Table of Contents.

1.8 ACKNOWLEDGEMENTS

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